

**SPP-NTC-220817**

**SPP  
Notification to Construct**

December 13, 2024

Mr. Jarred Cooley  
Southwestern Public Service Company  
790 S Buchanan Street  
Amarillo, TX 79101

RE: Notification to Construct Approved Reliability Network Upgrades

Dear Mr. Cooley,

Pursuant to Section 3.3 of the Southwest Power Pool, Inc. ("SPP") Membership Agreement and Attachments O and Y of the SPP Open Access Transmission Tariff ("OATT"), SPP provides this Notification to Construct ("NTC") directing Southwestern Public Service Company ("SPS"), as the Designated Transmission Owner, to construct the Network Upgrades.

On October 29, 2024, the SPP Board of Directors approved the Network Upgrade(s) listed below to be constructed as part of 2024 ITP.

**New Network Upgrades**

**Project ID:** 94584

**Project Name:** XFR - Roadrunner 345/115 kV Ckt 2

**Need Date for Project:** 1/1/2025

**Estimated Cost for Project:** \$19,997,839

**Network Upgrade ID:** 159258

**Network Upgrade Name:** Roadrunner 345/115 kV Transformer Ckt 2 (115 kV)

**Network Upgrade Description:** Install a new 345/115 kV transformer at Roadrunner 115 kV substation and expand the 115 kV bus.

**Network Upgrade Owner:** SPS

**MOPC Representative(s):** Jarred Cooley

**TWG Representative(s):** Jarred Cooley

**Categorization:** Regional Reliability

**Network Upgrade Specification:** All elements and conductor to meet or exceed 435/435/435/435 (SN/SE/WN/WE) MVA rating

**Network Upgrade Justification:** 2024 ITP

**Estimated Cost for Network Upgrade (current day dollars):** \$19,000,706

**Cost Allocation of the Network Upgrade:** Base Plan

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**Estimated Cost Source:** SPS  
**Date of Estimated Cost:** 6/10/2024

**Network Upgrade ID:** 159259  
**Network Upgrade Name:** Roadrunner 345/115 kV Transformer Ckt 2 (345 kV)  
**Network Upgrade Description:** Install 345 kV terminal equipment to support 345/115 kV transformer at Roadrunner 345 kV substation with a summer emergency rating of 435 MVA.  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** Jarred Cooley  
**TWG Representative(s):** Reene Miranda  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor to meet or exceed 435/435/435/435 (SN/SE/WN/WE) MVA rating  
**Network Upgrade Justification:** 2024 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$997,133  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPS  
**Date of Estimated Cost:** 6/10/2024

**Project ID:** 94640  
**Project Name:** Line - Frankford 115 kV - Quaker 115 kV Rebuild  
**Need Date for Project:** 6/1/2025  
**Estimated Cost for Project:** \$2,753,972

**Network Upgrade ID:** 159391  
**Network Upgrade Name:** Frankford - Quaker 115 kV Ckt 1 Rebuild  
**Network Upgrade Description:** Rebuild 2.01-mile Ckt 1 line from Frankford 115 kV substation to Quaker 115 kV substation and upgrade any necessary terminal equipment to achieve a summer emergency rating of 239 MVA.  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** Jarred Cooley  
**TWG Representative(s):** Reene Miranda  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor to meet or exceed 239/239/239/239 (SN/SE/WN/WE) MVA rating  
**Network Upgrade Justification:** 2024 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$1,983,306  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP  
**Date of Estimated Cost:** 6/10/2024

**Network Upgrade ID:** 159392

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**Network Upgrade Name:** Frankford 115 kV Ckt 1 Terminal Upgrade  
**Network Upgrade Description:** Install any necessary terminal equipment at Frankford 115 kV substation for the line from Frankford 115 kV substation to Quaker 115 kV substation to meet a summer emergency rating of 239 MVA.  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** Jarred Cooley  
**TWG Representative(s):** Reene Miranda  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor to meet or exceed 239/239/239/239 (SN/SE/WN/WE) MVA rating  
**Network Upgrade Justification:** 2024 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$385,333  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP  
**Date of Estimated Cost:** 6/10/2024

**Network Upgrade ID:** 159393  
**Network Upgrade Name:** Quaker 115 kV Ckt 1 Terminal Upgrade  
**Network Upgrade Description:** Install any necessary terminal equipment at Quaker 115 kV substation for the line from Quaker 115 kV substation to Frankford 115 kV substation to meet a summer emergency rating of 239 MVA.  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** Jarred Cooley  
**TWG Representative(s):** Reene Miranda  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor to meet or exceed 239/239/239/239 (SN/SE/WN/WE) MVA rating  
**Network Upgrade Justification:** 2024 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$385,333  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP  
**Date of Estimated Cost:** 6/10/2024

**Project ID:** 94662  
**Project Name:** Sub - Lubbock South 115 kV - Lubbock East 115 kV Terminal Upgrades  
**Need Date for Project:** 6/1/2025  
**Estimated Cost for Project:** \$956,448

**Network Upgrade ID:** 159467  
**Network Upgrade Name:** Lubbock South 115 kV Terminal Upgrade #1  
**Network Upgrade Description:** Install any necessary terminal equipment at Lubbock South 115 kV substation for the line from Lubbock South 115 kV

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substation to Lubbock East 115 kV substation to meet a summer emergency rating of 239 MVA.

**Network Upgrade Owner:** SPS

**MOPC Representative(s):** Jarred Cooley

**TWG Representative(s):** Reene Miranda

**Categorization:** Economic

**Network Upgrade Specification:** All elements and conductor to meet or exceed 239/239/239/239 (SN/SE/WN/WE) MVA rating

**Network Upgrade Justification:** 2024 ITP

**Estimated Cost for Network Upgrade (current day dollars):** \$550,609

**Cost Allocation of the Network Upgrade:** Base Plan

**Estimated Cost Source:** SPS

**Date of Estimated Cost:** 6/10/2024

**Network Upgrade ID:** 159468

**Network Upgrade Name:** Lubbock East 115 kV Terminal Upgrade

**Network Upgrade Description:** Install any necessary terminal equipment at Lubbock East 115 kV substation for the line from Lubbock East 115 kV substation to Lubbock South 115 kV substation to meet a summer emergency rating of 239 MVA.

**Network Upgrade Owner:** SPS

**MOPC Representative(s):** Jarred Cooley

**TWG Representative(s):** Reene Miranda

**Categorization:** Economic

**Network Upgrade Specification:** All elements and conductor to meet or exceed 239/239/239/239 (SN/SE/WN/WE) MVA rating

**Network Upgrade Justification:** 2024 ITP

**Estimated Cost for Network Upgrade (current day dollars):** \$405,839

**Cost Allocation of the Network Upgrade:** Base Plan

**Estimated Cost Source:** SPS

**Date of Estimated Cost:** 6/10/2024

**Project ID:** 94807

**Project Name:** Line - Beckham County - Potter -345 kV New Line

**Need Date for Project:** 11/12/2029

**Estimated Cost for Project:** \$428,620,878 (this project cost reflects Network Upgrades not included in this NTC)

**Network Upgrade ID:** 170093

**Network Upgrade Name:** Potter 345 kV Ckt 1 Terminal Upgrade

**Network Upgrade Description:** Install any necessary terminal equipment at Potter 345 kV substation to support the line from Potter 345 kV substation to

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Beckham County 345 kV substation with a summer emergency rating of 1792 MVA.

**Network Upgrade Owner:** SPS

**Categorization:** Economic

**Network Upgrade Specification:** All elements and conductor to meet or exceed 1792/1792/1792/1792 (SN/SE/WN/WE) MVA rating

**Network Upgrade Justification:** 2024 ITP

**Estimated Cost for Network Upgrade (current day dollars):** \$1,537,869

**Cost Allocation of the Network Upgrade:** Base Plan

**Estimated Cost Source:** SPP

**Date of Estimated Cost:** 8/6/2024

**Project ID:** 94830

**Project Name:** Line - Medanos 115 kV - Lynch 115 kV New Line

**Need Date for Project:** 12/1/2028

**Estimated Cost for Project:** \$61,643,034 (this project cost reflects Network Upgrades not included in this NTC)

**Network Upgrade ID:** 170158

**Network Upgrade Name:** Medanos 115 kV Ckt1 Terminal Upgrade

**Network Upgrade Description:** Install any necessary terminal equipment at Medanos 115 kV substation to support a new line from Medanos 115 kV substation to Lynch 115 kV substation with a summer emergency rating of 298 MVA.

**Network Upgrade Owner:** SPS

**Categorization:** Regional Reliability

**Network Upgrade Specification:** All elements and conductor to meet or exceed 271/298/271/298 (SN/SE/WN/WE) MVA rating

**Network Upgrade Justification:** 2024 ITP

**Estimated Cost for Network Upgrade (current day dollars):** \$3,934,586

**Cost Allocation of the Network Upgrade:** Base Plan

**Estimated Cost Source:** SPS

**Date of Estimated Cost:** 7/18/2024

**Network Upgrade ID:** 170159

**Network Upgrade Name:** Lynch 115 kV Ckt 1 Terminal Upgrade

**Network Upgrade Description:** Install any necessary terminal equipment at Lynch 115 kV substation to support a new line from Lynch 115 kV substation to Medanos 115 kV substation with a summer emergency rating of 298 MVA.

**Network Upgrade Owner:** SPS

**Categorization:** Regional Reliability

**Network Upgrade Specification:** All elements and conductor to meet or exceed 271/298/271/298 (SN/SE/WN/WE) MVA rating

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**Network Upgrade Justification:** 2024 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$12,167,339  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPS  
**Date of Estimated Cost:** 8/6/2024

**Project ID:** 94870  
**Project Name:** Device - Channing 230 kV Capacitor  
**Need Date for Project:** 6/1/2025  
**Estimated Cost for Project:** \$4,467,052

**Network Upgrade ID:** 170190  
**Network Upgrade Name:** Channing 230 kV Capacitor  
**Network Upgrade Description:** Install a 14.4 MVAR Capacitor at Channing 230 kV substation  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** Jarred Cooley  
**TWG Representative(s):** Reene Miranda  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** Capacitor must be rated at 14.4 MVAR  
**Network Upgrade Justification:** 2024 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$4,467,052  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPS  
**Date of Estimated Cost:** 7/9/2024

**Project ID:** 94874  
**Project Name:** Sub - Conway 115 kV - Kirby 115 kV Terminal Upgrades  
**Need Date for Project:** 11/12/2024  
**Estimated Cost for Project:** \$770,666

**Network Upgrade ID:** 170296  
**Network Upgrade Name:** Conway 115 kV Terminal Upgrade  
**Network Upgrade Description:** Install any necessary terminal equipment at Conway 115 kV substation to support the line from Conway 115 kV substation to Kirby 115 kV substation with a summer emergency rating of 197 MVA.  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** Jarred Cooley  
**TWG Representative(s):** Reene Miranda  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor to meet or exceed 179/197/198/218 (SN/SE/WN/WE) MVA rating  
**Network Upgrade Justification:** 2024 ITP

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**Estimated Cost for Network Upgrade (current day dollars):** \$385,333  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP  
**Date of Estimated Cost:** 7/9/2024

**Network Upgrade ID:** 170297  
**Network Upgrade Name:** Kirby 115 kV Terminal Upgrade  
**Network Upgrade Description:** Install any necessary terminal equipment at Kirby 115 kV substation to support the line from Kirby 115 kV substation to Conway 115 kV substation with a summer emergency rating of 197 MVA.  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** Jarred Cooley  
**TWG Representative(s):** Reene Miranda  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor to meet or exceed 179/197/198/218 (SN/SE/WN/WE) MVA rating  
**Network Upgrade Justification:** 2024 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$385,333  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP  
**Date of Estimated Cost:** 7/9/2024

**Project ID:** 94880  
**Project Name:** XFR - Roadrunner 345/115 kV #3  
**Need Date for Project:** 1/1/2025  
**Estimated Cost for Project:** \$19,997,839

**Network Upgrade ID:** 170354  
**Network Upgrade Name:** Roadrunner 345/115 kV Transformer Ckt 3 (115 kV)  
**Network Upgrade Description:** Install new Ckt 3 345/115 kV transformer at Roadrunner 115 kV substation and expand the 115 kV bus.  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** Jarred Cooley  
**TWG Representative(s):** Reene Miranda  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor to meet or exceed 435/435/435/435 (SN/SE/WN/WE) MVA rating  
**Network Upgrade Justification:** 2024 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$19,000,706  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPS  
**Date of Estimated Cost:** 7/9/2024

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**Network Upgrade ID:** 170355

**Network Upgrade Name:** Roadrunner 345/115 kV Transformer Ckt 3 (345 kV)

**Network Upgrade Description:** Install 345 kV terminal equipment to support a Ckt 3 345/115 kV transformer at Roadrunner 345 kV substation with a summer emergency rating of 435 MVA.

**Network Upgrade Owner:** SPS

**MOPC Representative(s):** Jarred Cooley

**TWG Representative(s):** Reene Miranda

**Categorization:** Regional Reliability

**Network Upgrade Specification:** All elements and conductor to meet or exceed 435/435/435/435 (SN/SE/WN/WE) MVA rating

**Network Upgrade Justification:** 2024 ITP

**Estimated Cost for Network Upgrade (current day dollars):** \$997,133

**Cost Allocation of the Network Upgrade:** Base Plan

**Estimated Cost Source:** SPS

**Date of Estimated Cost:** 7/9/2024

**Project ID:** 94932

**Project Name:** Line - Gaines County - Riley - Mid America - Mid-Denver Tap 69 kV Rebuild

**Need Date for Project:** 11/12/2026

**Estimated Cost for Project:** \$6,900,683

**Network Upgrade ID:** 170433

**Network Upgrade Name:** Riley Tap - Gaines County 69 kV Ckt 1 Rebuild

**Network Upgrade Description:** Rebuild 0.4-mile 69 kV Ckt 1 line from Riley 69 kV Tap to Gaines County 69 kV substation and upgrade any necessary terminal equipment to achieve a summer emergency rating of 71 MVA.

**Network Upgrade Owner:** SPS

**MOPC Representative(s):** Jarred Cooley

**TWG Representative(s):** Reene Miranda

**Categorization:** Regional Reliability

**Network Upgrade Specification:** All elements and conductor to meet or exceed 71/71/71/71 (SN/SE/WN/WE) MVA rating

**Network Upgrade Justification:** 2024 ITP

**Estimated Cost for Network Upgrade (current day dollars):** \$426,005

**Cost Allocation of the Network Upgrade:** Base Plan

**Estimated Cost Source:** SPP

**Date of Estimated Cost:** 7/9/2024

**Network Upgrade ID:** 170435

**Network Upgrade Name:** Gaines County 69 kV Ckt 1 Terminal Upgrade



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**Network Upgrade Description:** Install any necessary terminal equipment at Gaines County 69 kV substation for the line from Gaines County 69 kV substation to Riley 69 kV tap with a summer emergency rating of 71 MVA.

**Network Upgrade Owner:** SPS

**MOPC Representative(s):** Jarred Cooley

**TWG Representative(s):** Reene Miranda

**Categorization:** Regional Reliability

**Network Upgrade Specification:** All elements and conductor to meet or exceed 71/71/71/71 (SN/SE/WN/WE) MVA rating

**Network Upgrade Justification:** 2024 ITP

**Estimated Cost for Network Upgrade (current day dollars):** \$248,675

**Cost Allocation of the Network Upgrade:** Base Plan

**Estimated Cost Source:** SPP

**Date of Estimated Cost:** 7/9/2024

**Network Upgrade ID:** 170436

**Network Upgrade Name:** Riley - Mid America 69 kV Ckt 1 Rebuild

**Network Upgrade Description:** Rebuild 3.1-mile 69 kV line from Riley 69 kV substation to Mid America 69 kV substation and upgrade any necessary terminal equipment to achieve a summer emergency rating of 71 MVA.

**Network Upgrade Owner:** SPS

**MOPC Representative(s):** Jarred Cooley

**TWG Representative(s):** Reene Miranda

**Categorization:** Regional Reliability

**Network Upgrade Specification:** All elements and conductor to meet or exceed 71/71/71/71 (SN/SE/WN/WE) MVA rating

**Network Upgrade Justification:** 2024 ITP

**Estimated Cost for Network Upgrade (current day dollars):** \$2,962,674

**Cost Allocation of the Network Upgrade:** Base Plan

**Estimated Cost Source:** SPP

**Date of Estimated Cost:** 7/9/2024

**Network Upgrade ID:** 170438

**Network Upgrade Name:** Mid America 69 kV Ckt 1 Terminal Upgrade

**Network Upgrade Description:** Install any necessary terminal equipment at Mid America 69 kV substation for the line from Mid America 69 kV substation to Riley 69 kV substation with a summer emergency rating of 71 MVA.

**Network Upgrade Owner:** SPS

**MOPC Representative(s):** Jarred Cooley

**TWG Representative(s):** Reene Miranda

**Categorization:** Regional Reliability

**Network Upgrade Specification:** All elements and conductor to meet or exceed 71/71/71/71 (SN/SE/WN/WE) MVA rating

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**Network Upgrade Justification:** 2024 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$248,675  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP  
**Date of Estimated Cost:** 7/9/2024

**Network Upgrade ID:** 170439  
**Network Upgrade Name:** Mid Denver - Mid America 69 kV Ckt 1 Rebuild  
**Network Upgrade Description:** Rebuild 2.6-mile 69 kV Ckt 1 line from Mid Denver 69 kV substation to Mid America 69 kV substation and upgrade any necessary terminal equipment to achieve a summer emergency rating of 71 MVA.  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** Jarred Cooley  
**TWG Representative(s):** Reese Miranda  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor to meet or exceed 71/71/71/71 (SN/SE/WN/WE) MVA rating  
**Network Upgrade Justification:** 2024 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$2,517,304  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP  
**Date of Estimated Cost:** 7/9/2024

**Network Upgrade ID:** 170440  
**Network Upgrade Name:** Mid Denver 69 kV Ckt 1 Terminal Upgrade  
**Network Upgrade Description:** Install any necessary terminal equipment at Mid Denver 69 kV substation for the line from Mid Denver 69 kV substation to Mid America 69 kV substation with a summer emergency rating of 71 MVA.  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** Jarred Cooley  
**TWG Representative(s):** Reese Miranda  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor to meet or exceed 71/71/71/71 (SN/SE/WN/WE) MVA rating  
**Network Upgrade Justification:** 2024 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$248,675  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP  
**Date of Estimated Cost:** 7/9/2024

**Network Upgrade ID:** 170441  
**Network Upgrade Name:** Mid America 69 kV Ckt 1 Terminal Upgrade #1

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**Network Upgrade Description:** Install any necessary terminal equipment at Mid America 69 kV substation for the line from Mid America 69 kV substation to Mid Denver 69 kV substation with a summer emergency rating of 71 MVA.

**Network Upgrade Owner:** SPS

**MOPC Representative(s):** Jarred Cooley

**TWG Representative(s):** Reene Miranda

**Categorization:** Regional Reliability

**Network Upgrade Specification:** All elements and conductor to meet or exceed 71/71/71/71 (SN/SE/WN/WE) MVA rating

**Network Upgrade Justification:** 2024 ITP

**Estimated Cost for Network Upgrade (current day dollars):** \$248,675

**Cost Allocation of the Network Upgrade:** Base Plan

**Estimated Cost Source:** SPP

**Date of Estimated Cost:** 7/9/2024

**Project ID:** 94940

**Project Name:** Line - Maddox - Pearle 115 kV Rebuild

**Need Date for Project:** 12/1/2028

**Estimated Cost for Project:** \$15,972,706

**Network Upgrade ID:** 170445

**Network Upgrade Name:** Maddox - Pearle 115 kV Ckt 1 Rebuild

**Network Upgrade Description:** Rebuild 15.3-mile 115 kV Ckt 1 line from Maddox 115 kV substation to Pearle 115 kV substation and upgrade any necessary terminal equipment to achieve a summer emergency rating of 239 MVA.

**Network Upgrade Owner:** SPS

**MOPC Representative(s):** Jarred Cooley

**TWG Representative(s):** Reene Miranda

**Categorization:** Regional Reliability

**Network Upgrade Specification:** All elements and conductor to meet or exceed 239/239/239/239 (SN/SE/WN/WE) MVA rating

**Network Upgrade Justification:** 2024 ITP

**Estimated Cost for Network Upgrade (current day dollars):** \$15,202,040

**Cost Allocation of the Network Upgrade:** Base Plan

**Estimated Cost Source:** SPP

**Date of Estimated Cost:** 7/9/2024

**Network Upgrade ID:** 170446

**Network Upgrade Name:** Maddox 115 kV Ckt 1 Terminal Upgrade

**Network Upgrade Description:** Install any necessary terminal equipment at Maddox 115 kV substation for the line from Maddox 115 kV substation to Pearle 115 kV substation to meet a summer emergency rating of 239 MVA.

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**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** Jarred Cooley  
**TWG Representative(s):** Reene Miranda  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor to meet or exceed 239/239/239/239 (SN/SE/WN/WE) MVA rating  
**Network Upgrade Justification:** 2024 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$385,333  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP  
**Date of Estimated Cost:** 7/9/2024

**Network Upgrade ID:** 170447  
**Network Upgrade Name:** Pearle 115 kV Ckt 1 Terminal Upgrade  
**Network Upgrade Description:** Install any necessary terminal equipment at Pearle 115 kV substation for the line from Pearle 115 kV substation to Maddox 115 kV substation to meet a summer emergency rating of 239 MVA.  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** Jarred Cooley  
**TWG Representative(s):** Reene Miranda  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor to meet or exceed 239/239/239/239 (SN/SE/WN/WE) MVA rating  
**Network Upgrade Justification:** 2024 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$385,333  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP  
**Date of Estimated Cost:** 7/9/2024

**Project ID:** 94941

**Project Name:** XFR - Moore County 230/115 kV Ckt 2 Transformer

**Need Date for Project:** 6/1/2025

**Estimated Cost for Project:** \$13,022,086 (this project cost reflects Network Upgrades not included in this NTC)

**Network Upgrade ID:** 170448  
**Network Upgrade Name:** Moore County 230/115 kV Transformer Ckt 2  
**Network Upgrade Description:** Install new 230/115 kV transformer at Moore County 115 kV substation  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** Jarred Cooley  
**TWG Representative(s):** Reene Miranda  
**Categorization:** Regional Reliability

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**Network Upgrade Specification:** All elements and conductor to meet or exceed 239/239/239/239 (SN/SE/WN/WE) MVA rating

**Network Upgrade Justification:** 2024 ITP

**Estimated Cost for Network Upgrade (current day dollars):** \$13,022,086

**Cost Allocation of the Network Upgrade:** Base Plan

**Estimated Cost Source:** SPP

**Date of Estimated Cost:** 7/9/2024

**Project ID:** 94952

**Project Name:** Sub - Lynch 115 kV -Pearle 115 kV Terminal Upgrades

**Need Date for Project:** 12/1/2028

**Estimated Cost for Project:** \$770,666

**Network Upgrade ID:** 170160

**Network Upgrade Name:** Lynch 115 kV Terminal Upgrade

**Network Upgrade Description:** Install any necessary terminal equipment at Lynch 115 kV substation to support the line from Lynch 115 kV substation to Pearle 115 kV substation with a summer emergency rating of 152 MVA.

**Network Upgrade Owner:** SPS

**MOPC Representative(s):** Jarred Cooley

**TWG Representative(s):** Reene Miranda

**Categorization:** Regional Reliability

**Network Upgrade Specification:** All elements and conductor to meet or exceed 138/152/138/152 (SN/SE/WN/WE) MVA rating

**Network Upgrade Justification:** 2024 ITP

**Estimated Cost for Network Upgrade (current day dollars):** \$385,333

**Cost Allocation of the Network Upgrade:** Base Plan

**Estimated Cost Source:** SPP

**Date of Estimated Cost:** 7/11/2024

**Network Upgrade ID:** 170161

**Network Upgrade Name:** Pearl 115 kV Terminal Upgrade

**Network Upgrade Description:** Install any necessary terminal equipment at Pearl 115 kV substation to support the line from Pearl 115 kV substation to Lynch 115 kV substation with a summer emergency rating of 298.1 MVA.

**Network Upgrade Owner:** SPS

**MOPC Representative(s):** Jarred Cooley

**TWG Representative(s):** Reene Miranda

**Categorization:** Regional Reliability

**Network Upgrade Specification:** All elements and conductor to meet or exceed 271/298.1/271/298.1 (SN/SE/WN/WE) MVA rating

**Network Upgrade Justification:** 2024 ITP

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**Estimated Cost for Network Upgrade (current day dollars):** \$385,333  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP  
**Date of Estimated Cost:** 7/11/2024

**Commitment to Construct**

Please provide to SPP a written commitment to construct the Network Upgrade(s) by March 13, 2025. Failure to provide a sufficient written commitment to construct as required by the SPP OATT could result in the Network Upgrade(s) being assigned to another entity.

**Project Schedule and In Service Date**

In addition to a written commitment to construct, please provide a detailed project schedule, updated  $\pm 20\%$  NTC Project Estimate, and an Estimated In-Service Date in the Standardized Cost Estimate Reporting Template for the Network Upgrade(s).

**Mitigation Plan**

The Need Date represents the timing required for the Network Upgrade(s) to address the identified need. Your prompt attention is required for formulation and approval of any necessary mitigation plans for the Network Upgrade(s) included in the Network Upgrade(s) if the Need Date is not feasible. Additionally, if it is anticipated that the completion of any Network Upgrade will be delayed past the Need Date, SPP requires a mitigation plan be filed within 60 days of the determination of expected delays.

**Notification of Commercial Operation**

Please submit a notification of commercial operation for each listed Network Upgrade to SPP as soon as the Network Upgrade is complete and in-service. Please provide SPP with the actual costs of these Network Upgrades as soon as possible after completion of construction. This will facilitate the timely billing by SPP based on actual costs.

**Notification of Progress**

On an ongoing basis, please keep SPP advised of any inability on SPS's part to complete the approved Network Upgrade(s). For project tracking, SPP requires SPS's to submit status updates of the Network Upgrade(s) quarterly in conjunction with the SPP Board of Directors meetings.

However, SPS shall also advise SPP of any inability to comply with the Project In-Service Date as soon as the inability becomes apparent, and no later than 45 days before the First Reported In-Service Date agreed to upon acceptance of the NTC.

All terms and conditions of the SPP OATT and the SPP Membership Agreement shall apply to this project(s), and nothing in this letter shall vary such terms and conditions.

Don't hesitate to contact me if you have questions or comments about these requests. Thank you for the important role that you play in maintaining the reliability of our electric grid.

**SPP-NTC-220817**

Sincerely,

Casey Cathey  
Vice President, Engineering  
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cc: Lanny Nickell - SPP  
Natasha Henderson - SPP  
Tony Green - SPP  
Sunny Raheem - SPP  
Reene Miranda - SPS  
SPPprojecttracking